

ASSIGNMENT 7

Textbook Assignment: "Photography," chapter 7, pages 7-1 through 7-40.

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| 7-1. Detailed scheduled maintenance for camera equipment may be found in what publication? <ol style="list-style-type: none">1. PMS cards2. PH Basic3. Shop procedures4. MSDS sheets | 7-8. What term refers to the length of time film is exposed to light through the lens of a camera? <ol style="list-style-type: none">1. Aperture2. Film speed3. Shutter speed4. Camera speed |
| 7-2. Why is it important to remove the batteries from cameras? <ol style="list-style-type: none">1. To use the batteries in other units2. To place the batteries in cold storage3. To keep the batteries from exploding4. To prevent swollen batteries from leaking into the cameras | 7-9. What type of camera automatically sets the aperture once you select the shutter speed? <ol style="list-style-type: none">1. Shutter priority2. Aperture priority3. Fully automatic4. Manual |
| 7-3. What plane is NOT part of a camera system? <ol style="list-style-type: none">1. The copy plane2. The parallel plane3. The lens plane4. The focal plane | 7-10. Film sensitivity is referred to by what term? <ol style="list-style-type: none">1. PMS2. ISO3. MIL4. SPD |
| 7-4. The scene being photographed is said to exist in what plane? <ol style="list-style-type: none">1. The copy plane2. The film plane3. The lens plane4. The focal plane | 7-11. What copy camera has the film plane built into the wall? <ol style="list-style-type: none">1. Horizontal process cameras2. Darkroom cameras3. Gallery cameras4. Vertical process cameras |
| 7-5. Enlargements or reductions are generally accomplished by moving what plane? <ol style="list-style-type: none">1. The parallel plane2. The film plane3. The lens plane4. The focal plane | 7-12. Using a process camera, how can you make focusing images on the ground glass of a focal plane easier? <ol style="list-style-type: none">1. Place extra lights around the copyboard2. Leave the room lights off during focusing3. Leave the room lights on during focusing4. Open the aperture wide open |
| 7-6. What plane is also known as the film plane? <ol style="list-style-type: none">1. The copy plane2. The parallel plane3. The lens plane4. The focal plane | 7-13. What device allows critical focus for maximum image resolution? <ol style="list-style-type: none">1. Microscope2. Densitometer3. Durometer4. Loup |
| 7-7. The image size is altered by adjusting what camera component? <ol style="list-style-type: none">1. Scales2. Aperture rings3. Shutter speed dials4. Film speed dials | 7-14. How should you place the film on the film plane? <ol style="list-style-type: none">1. Emulsion against the film back2. Emulsion toward the light source3. Emulsion against the vacuum plate4. Emulsion toward the photographer |

- 7-15. What is the term for a weak acetic acid that neutralizes the process during film development?
1. Developer
 2. Stop bath
 3. Fixer
 4. Wash
- 7-16. What tray of chemicals is used to remove light sensitive crystals from paper or film during the development process?
1. Developer
 2. Stop bath
 3. Fixer
 4. Wash
- 7-17. During processing, brownness or streaked images result when film or paper is kept for an insufficient amount of time in which of the following processing trays?
1. Developer
 2. Stop bath
 3. Fixer
 4. Wash
- 7-18. What is an ideal temperature for photograph chemistry in a four tray development process?
1. 70 degrees
 2. 76 degrees
 3. 80 degrees
 4. 86 degrees
- 7-19. For photograph development to occur in less than ideal conditions, temperature variation between developing trays should not exceed what number of degrees?
1. 5
 2. 2
 3. 3
 4. 4
- 7-20. What condition causes reticulation?
1. Warm developing temperatures
 2. Cool developing temperatures
 3. Extreme temperature variations
 4. Rapid development procedures
- 7-21. Why should you NOT use your hands to move film or paper from one developing tray to the next?
1. To prevent raising the tray-temperature only
 2. To prevent tray contamination only
 3. To prevent raising the tray temperature and tray contamination
 4. To prevent using tongs when they are not necessary
- 7-22. Image development occurs at what stage of automatic processing?
1. Activation
 2. Stabilization
 3. Squeegeeing
 4. Rinsing
- 7-23. When shooting images with a copy camera, how can you minimize camera movement?
1. Press the shutter release slowly
 2. Stabilize the camera on a rubber pad
 3. Attach a cable release
 4. Use fast film
- 7-24. Electronic cameras use what system to record images?
1. Exposure, development, and printing
 2. Capture, enhancement, and display
 3. Exposure, development, and display
 4. Capture, development, and enhancement
- 7-25. Electronic cameras record images in what format?
1. Latent images
 2. Magnetic impulses
 3. Binary luminance
 4. Chrominance
- 7-26. Using an electronic still-video camera, to what mode should you set the camera for maximum image resolution?
1. Field
 2. Frame
 3. Digital
 4. CCD

- 7-27. When using an electronic still-video camera, what total number of floppy disks are required to record 37 images at the highest possible resolution in the frame mode?
1. 1
 2. 2
 3. 3
 4. 4
- 7-28. In a rangefinder camera, what term describes the offset position of the two lenses?
1. Range
 2. Parallax
 3. Paradigm
 4. Parallelism
- 7-29. SLR cameras have pentaprisms which automatically correct image offset.
1. True
 2. False
- 7-30. You should set the film speed dial to correspond to what photographic variable?
1. Aperture
 2. Shutter speed
 3. Film sensitivity
 4. Focus distance
- 7-31. Steel spring blades typify what type of shutter control?
1. Leaf shutters
 2. Focal plane shutters
 3. Aperture priority shutters
 4. Shutter speed priority shutters
- 7-32. Most 35mm cameras have what type of shutter?
1. Leaf
 2. Focal plane
 3. Aperture priority
 4. Shutter speed priority
- 7-33. What is the consequence of failing to depress the film rewind button on the bottom of a camera body before attempting to rewind film?
1. The film will not rewind.
 2. The film will tear through the sprocket holes
 3. The camera will eject the film
 4. The camera will expose the film
- 7-34. The amount of light from what source is measured by through-the-lens metering?
1. Entering the lens
 2. Falling on the subject
 3. Emanating from the sun
 4. Falling on the surroundings
- 7-35. What can you do to exert complete creative control over SLR cameras?
1. Use the camera in the automatic mode
 2. Use the camera in the semi-automatic mode
 3. Use a superfast film speed
 4. Use the manual override
- 7-36. What action can you take to preview a meter reading without tripping the shutter?
1. Depress the shutter release
 2. Stop down the lens
 3. Partially depress the shutter release
 4. Trip the cable release
- 7-37. What setting maintains the camera shutter open for as long as the shutter release is depressed?
1. 1
 2. B
 3. T
 4. 1/4
- 7-38. What setting maintains the camera shutter in an open position indefinitely?
1. 1
 2. T
 3. B
 4. 1/4
- 7-39. For hand-held photography, what shutter speed is the longest recommended exposure?
1. 1/4
 2. 1/8
 3. 1/15
 4. 1/30
- 7-40. For optimum exposure during flash photography, what shutter speed is recommended?
1. 1/30
 2. 1/60
 3. 1/125
 4. 1/250

- 7-41. To correct images that have blurry backgrounds but focused central areas, what action should you take?
1. Refocus
 2. Stabilize subject
 3. Use a slower shutter speed
 4. Use a faster shutter speed
- 7-42. On moderately sunny days, to stop the action of saluting subjects twelve feet away positioned diagonally toward the camera, what shutter speed is recommended?
1. 1/500
 2. 1/250
 3. 1/125
 4. 1/60
- 7-43. For the best results when photographing a plane in flight on a sunny afternoon, which of the following shutter speeds is recommended?
1. 1/250
 2. 1/125
 3. 1/60
 4. 1/30
- 7-44. An aperture is also referred to by what term?
1. Diaphragm
 2. Luminier
 3. f/stop
 4. Ring
- 7-45. What term describes the diameter of the lens opening that controls the amount of light striking the film?
1. Diaphragm
 2. Luminier
 3. Aperture
 4. Leaf
- 7-46. The brighter the light the smaller the recommended diaphragm opening.
1. True
 2. False
- 7-47. Which of the following f/stop adjustments results in twice the amount of light striking the film?
1. f/2 to f/16
 2. f/5.6 to f/8
 3. f/5.6 to f/4
 4. f/16 to f/11
- 7-48. Which of the following f/stop adjustments reduces the amount of light striking the film by half?
1. f/16 to f/5.6
 2. f/5.6 to f/2.8
 3. f/2.8 to f/4
 4. f/8 to f/16
- 7-49. On a standard lens with f/stops ranging from f/1.2 to f/22, at what f/stop is the lens considered wide open?
1. f/1.2
 2. f/4
 3. f/5.6
 4. f/22
- 7-50. On a 50mm macro lens with f/stops ranging from f/2.8 to f/16, at what f/stop is the most light admitted?
1. f/2.8
 2. f/5.6
 3. f/8
 4. f/16
- 7-51. While aboard ship photographing daylight scenes with a 35mm camera and 400 ISO film, your TTL meter fails and your hand-held meter falls overboard. What action(s) should you take to continue shooting with minimum interruption?
1. Send down below for another hand-held meter
 2. Delay all activity until another camera arrives
 3. Quickly change camera batteries
 4. Set the camera to f/16 and the shutter speed close to 400
- 7-52. What is the definition of the focal length of a lens?
1. How far the lens can focus
 2. How wide a lens can focus
 3. The distance between the lens plane and the focal plane
 4. The distance between the lens optical center and the focal plane
- 7-53. Which of the following lenses is considered a long-range lens?
1. 28mm
 2. 35mm
 3. 50mm
 4. 58mm

- 7-54. Which of the following lens is recommended for portraiture?
1. 35mm-85mm macro zoom
 2. 85mm-105mm zoom
 3. 50mm standard
 4. 50mm macro
- 7-55. Which of the following short-range lenses is also called a fisheye lens?
1. 17mm
 2. 24mm
 3. 28mm
 4. 35mm
- 7-56. Which of the following lenses is recommended for shooting a panoramic view of the side of a ship?
1. 50mm
 2. 24mm
 3. 105mm
 4. 300mm
- 7-57. What lens results in the least distortion?
1. 17mm
 2. 50mm
 3. 200mm
 4. 300mm
- 7-58. You are asked to photographically document damages from a crane accident in an unstable and potentially hazardous environment. What lens should you choose to remain a safe distance from the danger while still allowing you to close in on the subject?
1. 24mm
 2. 50mm standard
 3. 50mm macro
 4. 100mm macro
- 7-59. What is the lens speed of a 50mm macro lens with f/stops ranging from f/3.4 to f/16?
1. f/3.4
 2. f/5.6
 3. f/8
 4. f/16
- 7-60. What action should you take to increase depth of field for any given camera?
1. Change lenses
 2. Open up the aperture
 3. Stop down the aperture
 4. Use a faster rated film
- 7-61. Latent images are formed when what part of black-and-white photographic film reacts to light?
1. Base
 2. Overcoating
 3. Silver halides
 4. Antihalation backing
- 7-62. Which of the following film types indicates a color reversal film?
1. Kodalith
 2. Vericolor
 3. Ektachrome
 4. Panatomic-x
- 7-63. Which of the following film-types indicates a color negative film?
1. Kodalith
 2. Vericolor
 3. Ektachrome
 4. Panatomic-x
- 7-64. In total darkness, which of the following procedures can you use to identify the emulsion side of sheet film?
1. Rub your fingers across both surfaces to feel for roughness
 2. Place the edge of the film between your lips to find the side that sticks
 3. Scratch the film with a fingernail
 4. Smell the film for sweetness on the emulsion side
- 7-65. What term refers to the sensitivity to light of a film emulsion?
1. Latency
 2. Film sensitivity
 3. Film speed
 4. Film range
- 7-66. Which of the following situations requires a fast film?
1. An outdoor personnel inspection
 2. Macro work on a defective shore power cable
 3. Copy work under tungsten carbide lamps
 4. Dense viewgraphs backlit on a copyboard
- 7-67. In graphics photography, what film classification is used most often?
1. Monochromatic
 2. Ektachromatic
 3. Panchromatic
 4. Infrared

- 7-68. What type of photography primarily uses orthochromatic film?
1. Copy work
 2. Pictorial
 3. X-ray
 4. Color
- 7-69. What black-and-white film is used most often in portraiture?
1. Monochromatic
 2. Orthochromatic
 3. Panchromatic
 4. Infrared
- 7-70. Infrared films do NOT require any special considerations or techniques for critical focusing.
1. True
 2. False
- 7-71. In printed images, the portions of silver halides least effected by exposure to light appear as what factor(s)?
1. Highlights
 2. Midtones
 3. Foreground
 4. Shadows
- 7-72. Exposure latitude is described by which of the following statements?
1. The ability of the film to record a range of scene brightnesses
 2. The amount of variance in exposure setting the film allows while still producing acceptable contrast
 3. The amount of metallic silver deposited in any one portion of the negative
 4. The difference in density between areas in a negative
- 7-73. A photographic print that appears soft and slightly out of focus has what attribute?
1. Graininess
 2. Reticulation
 3. Poor resolution
 4. Short depth of field
- 7-74. Color prints made from film that has past the point of freshness have what appearance?
1. Yellow edges
 2. Extreme reticulation
 3. Increased graininess
 4. Shifted color balance
- 7-75. You should remove 35mm film from cold storage what total number of minutes before use?
1. 30 minutes
 2. 45 minutes
 3. 60 minutes
 4. 90 minutes